

CISCO uBR7225 VXR

UNIVERSAL BROADBAND ROUTER (EURO) DOCSIS 1.1/2.0/3.0



The Cisco uBR7225VXR Universal Broadband Router is a 2-rack-unit (RU) modular, inexpensive, mid level entry CMTS ranging up to four downstreams and 16 upstreams. The well known universal router operating system IOS enables operators to use a wide choice of different protocols. This unit is particularly suited for small and medium sized operators (up to 5000 subscribers) and includes potential for upgrade.

- Up to 16 downstream/16 upstream (Euro)Docsis 1.0/1.1/2.0/3.0
- Powerful IOS software
- Supports wide range of protocols (IPv6, L2VPN)
- Advanced physical layer (PHY) for noise reduction
- Advanced spectrum management
- Flexible software Media Access Control (MAC) domain configuration for virtual interfaces
- Integrated upconverter with high output level
- Compatible with MC16U/MC-28 cards

Following modules are available:

- UBR-E-28U (Two Downstreams/Eight Upstreams)
- UBR-E-16U (One Downstreams/Six Upstreams)
- UBR-MC88V (Eight Downstreams/Eight Upstreams)



UNIT	CISCO UBR7225VXR
Cable line cards and number of slots	Two
Supported cable line cards (cable plant interface)	UBR-E-28U, UBR-E-16U UBR-MC28U, UBR-MC-16U, UBR-MC88V
Power supply slots	Two
Power supply option	Single or with redundant power supply
Network processing engines (NPE)	Cisco uBR7200-NPE-G1 Cisco uBR7200-NPE-G2
Software compatibility	Cisco IOS software release 12.2SB minimum to support PCMM, admission control, advanced mode DSG, and Service Independent Intercept (SII)
Supported protocols IPv6	CM provisioning & management using IPv6, IPv6 multicast for control plane, ACLs, virtual interface bundle, DMIC, cable monitor, cable source verify, BPI+, DOCSIS state machine with MDD, MDD config. per interface, DHCPv6/4 relay agent and VIVSO options, cable CLIs impacted by IPv6, FQDN display in CLIs, select MIBs, IPv6 MIB retrieval over IPv4 transport, cable filters, SNMP over IPv6 transport, Syslog over IPv6, domain name for IPv6 CM, Telnet access over IPv6, TFTP file download for IPv6, Ping for IPv6, traceroute for IPv6, SSH over an IPv6 transport, HTTP access over IPv6, CPE IPv6 services, IPv6 multicast for data plane, DOCSIS QoS, DOCSIS set top gateway, eRouter spec. compliance, DHCP leased query, cable intercept, lawful intercept, IPv6 supports over PXF path, additional MIBs, DOCSIS 3.0 CMs interoperability
Supported protocols L2VPN	DOCSIS CM config file based L2VPN provisioning (vs CLI provisioned), multiple L2VPNs (up to 4) per CM, QoS support using service flows (US and DS), DUT filtering, eSAFE host exclusion using CMIM (for compliant CMs), BPI+ encryption using primary SAID, 802.1q based pseudowire, L2 classifier for L2VPN traffic (CMIM mask, priority), SNMP MIB (DOCSL2VPN-MIB) and CLI support, dynamic service requests (DSX) support, BPI+ encryption with L2VPN SAIDs, eSAFE DHCP snooping support, Radar items: support for ether channel as NSI; support for vendor specific encoding in CM configuration file (to specify WAN interface), AToM and L2TPv3 PW, point to multipoint L2VPN